Summary of Water Conditions
May 1, 2014

Some rain and snow occurred during April, but less than average at about 65 percent of normal. The May 1 snow water content average of 15% ties this year with 1990 for the 2nd lowest snow water content for the date exceeded only by that of 1977. Runoff during April was about half of average for the month. However, reservoir storage gain was nearly average ending up at around 70 percent overall but down about 25 percent from last year. Runoff forecasts for April through July and for the water year would be the 4th lowest in the record, exceeded by 1977, 1924, and 1931. Relatively speaking the drought is worse on the San Joaquin River system; if the forecasts prove out, its 3 year runoff (2012-14) will be about 6 percent less than the previous record set during the 1959-61 drought. The eastern tropical Pacific continued to warm in April with higher likely hood of El Nino next fall but that doesn't guarantee a wet year in 2015.

Forecasts of both median April through July and water year runoff are 35 percent of average. April runoff was about 50 percent of normal, but the percentages for later months is expect to decrease rapidly as the remaining slim snowpack melts.

Snowpack water content is very poor, about 15 percent of average for the date. Almost none is left in the northern third of the State.

Precipitation from October through April stands at about 50 percent of average compared to 75 percent last year. Seasonal rainfall amounts are slightly better in the northern part of the State. April rainfall was about 65 percent of average overall, but amounts were a bit better in the Bay Area and the central and southern Sierra.

Runoff to date remains at 35 percent of average, half of that reported last year at this time. April runoff was 50 percent of normal, abetted by some early snowmelt. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin River region in April was 1.71 million acre-feet.

Reservoir storage was about 70 percent of average, down from 95 percent reported last year. The lowest reports were across the central portion of the State in the Central Coast and San Joaquin-Tulare regions. Statewide storage increased nearly 1.2 million acre-feet in April, about 90 percent of the normal increase for the month.

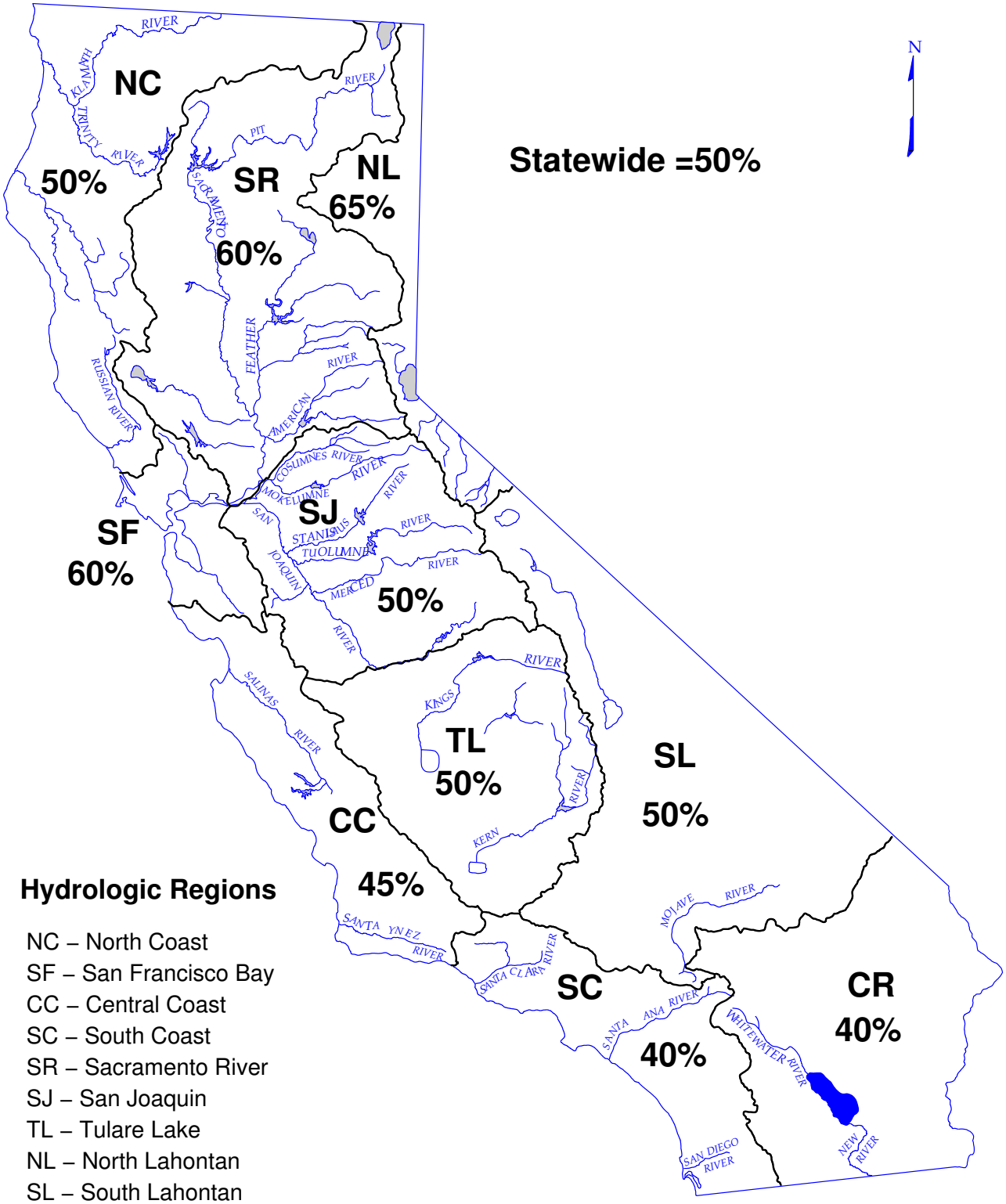
SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	May 1 SNOW WATER CONTENT	May 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	50	0	65	35	25	30
SAN FRANCISCO BAY	60	--	85	20	--	--
CENTRAL COAST	45	--	25	5	--	--
SOUTH COAST	40	--	75	15	--	--
SACRAMENTO RIVER	60	10	75	40	40	40
SAN JOAQUIN RIVER	50	20	70	35	30	30
TULARE LAKE	50	15	50	30	30	25
NORTH LAHONTAN	65	10	50	50	30	35
SOUTH LAHONTAN	50	20	95	60	45	50
COLORADO RIVER-DESERT	40	--	--	--	--	--
STATEWIDE	50	15	70	35	35	35

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2013 through April 30, 2014

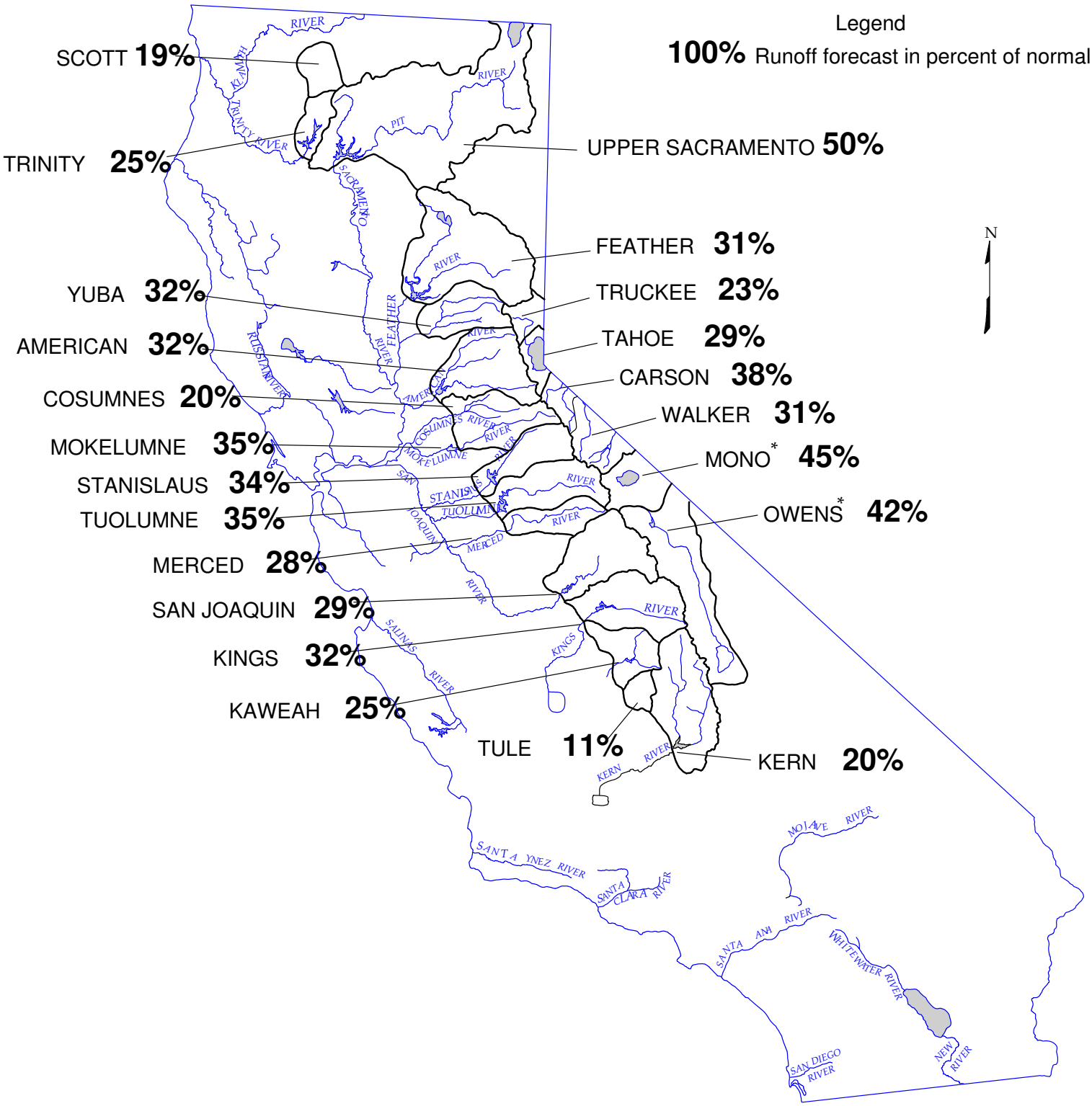


Hydrologic Regions

NC – North Coast
SF – San Francisco Bay
CC – Central Coast
SC – South Coast
SR – Sacramento River
SJ – San Joaquin
TL – Tulare Lake
NL – North Lahontan
SL – South Lahontan
CR – Colorado River–Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
May 1, 2014



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

MAY 1, 2014 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
North Coast						
Trinity River at Lewiston Lake	651	1,593	80	**160**	25%	120 - 290
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	302	711	39	100	33%	
McCloud River above Shasta Lake	392	850	185	210	54%	
Pit River near Montgomery Creek + Squaw Creek	1,046	2,098	480	550	53%	
Total Inflow to Shasta Lake	1,806	3,525	726	**900**	50%	740 - 1,130
Sacramento River above Bend Bridge, near Red Bluff	2,485	5,075	943	**1,210**	49%	1,070 - 1,500
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	110	33%	
North Fork at Pulga (3)	1,028	2,416	243	320	31%	
Middle Fork near Clio (4)	86	518	4	25	29%	
South Fork at Ponderosa Dam (3)	110	267	13	30	27%	
Feather River at Oroville	1,758	4,676	392	**540**	31%	460 - 780
Yuba River						
North Yuba below Goodyears Bar	279	647	51	90	32%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	40	36%	
South Yuba at Langs Crossing (3)	233	481	57	80	34%	
Yuba River near Smartsville plus Deer Creek	996	2,424	200	**320**	32%	280 - 410
American River						
North Fork at North Fork Dam (3)	262	716	43	70	27%	
Middle Fork near Auburn (3)	522	1,406	100	160	31%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	60	35%	
American River below Folsom Lake	1,231	3,074	229	**390**	32%	340 - 460
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	128	363	8	**25**	20%	20 - 50
Mokelumne River						
North Fork near West Point (5)	437	829	104	150	34%	
Total Inflow to Pardee Reservoir	461	1,065	102	**160**	35%	120 - 220
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	110	33%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	70	31%	
Stanislaus River below Goodwin Reservoir (9)	699	1,710	116	**240**	34%	195 - 340
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	120	38%	
Tuolumme River near Hetch Hetchy	604	1,392	153	240	40%	
Tuolumne River below La Grange Reservoir (9)	1,221	2,682	301	**430**	35%	330 - 590
Merced River						
Merced River at Pohono Bridge	372	888	80	110	30%	
Merced River below Merced Falls (9)	636	1,587	123	**175**	28%	135 - 280
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	330	32%	
Big Creek below Huntington Lake (8)	91	264	11	30	33%	
South Fork near Florence Lake (7)	201	511	58	60	30%	
San Joaquin River inflow to Millerton Lake	1,258	3,355	262	**370**	29%	290 - 540
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	80	33%	
Kings River below Pine Flat Reservoir	1,236	3,113	274	**400**	32%	310 - 520
Kaweah River below Terminus Reservoir	290	814	62	**72**	25%	61 - 115
Tule River below Lake Success	64	259	2	**7**	11%	5 - 11
Kern River						
Kern River near Kernville	384	1,203	83	90	23%	
Kern River inflow to Lake Isabella	465	1,657	84	**95**	20%	80 - 140

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1961-2010 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81
(7) 50 year average based on years 1953-2002
(8) 50 year average based on years 1946-1995

MAY 1, 2014 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)															
HISTORICAL			**DISTRIBUTION**									**FORECAST**			
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan	Feb *	Mar *	Apr *	May	Jun	Jul	Aug	Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)	
1376	2990	200	38	49	154	80	60	17	3	0	0	**401**	29%	361 -	535
876	1,965	165													
1,200	2,353	557													
3,082	5,150	1,484													
5,979	10,796	2,479	697	284	588	356	200	175	169	145	141	**2,755**	46%	2,525 -	3,080
8,727	17,180	3,294	922	419	877	529	260	230	191	160	162	**3,750**	43%	3,570 -	4,135
780	1,269	366													
2,417	4,400	666													
219	637	24													
291	562	32													
4,523	9,492	994	308	258	462	290	110	75	65	60	52	**1,680**	37%	1,545 -	1,975
564	1,056	102													
181	292	30													
379	565	98													
2,329	4,926	369	91	188	245	192	95	25	8	1	0	**845**	36%	804 -	945
616	1,234	66													
1,070	2,575	144													
318	705	59													
2,683	6,382	349	48	237	232	233	125	29	3	0	0	**907**	34%	857 -	990
385	1,253	20	7	20	28	19	5	1	0	0	0	**80**	21%	75 -	108
626	1,009	197													
751	1,800	129	9	33	47	76	74	9	1	0	0	**249**	33%	209 -	310
471	929	88													
1,167	2,952	155	25	36	62	111	95	31	3	0	0	**363**	31%	318 -	470
461	1,147	123													
770	1,661	258													
1,943	4,631	383	20	52	94	170	200	50	10	3	1	**600**	31%	497 -	775
461	1,020	92													
1,007	2,787	150	10	13	33	75	75	20	5	0	0	**231**	23%	191 -	345
1,337	2,964	308													
112	298	14													
248	653	71													
1,831	4,642	362	45	23	46	111	170	70	19	11	5	**500**	27%	410 -	680
284	607	58													
1,729	4,287	386	39	20	45	125	185	70	20	10	6	**520**	30%	426 -	650
456	1,402	94	8	6	12	28	31	10	3	1	1	**100**	22%	88 -	146
147	615	16	3	2	3	4	3	0	0	0	0	**15**	10%	13 -	20
558	1,577	163													
733	2,318	175	37	11	17	26	38	21	10	8	7	**175**	24%	157 -	225

(9) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.
(10) Coordinated Forecast by National Weather Service California-Nevada River Forecast Center and Department of Water Resources, State of California
* Unimpaired runoff in months prior to forecast date are based on measured flows

MAY 1, 2014 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

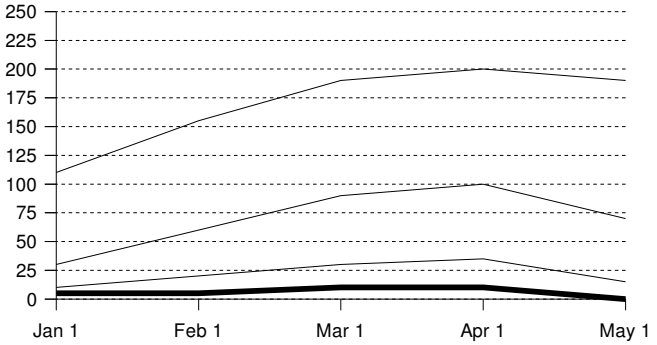
HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3)	172	398	22	**32**	19%
Klamath River					
Total inflow to Upper Klamath Lake (4)	340	618	84	**220**	65%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	256	713	52	**60**	23%
Lake Tahoe Rise (assuming gates closed, ft)	1.4	5.4	0.2	**0.4**	29%
Carson River					
West Fork Carson River at Woodfords	53	135	12	**20**	38%
East Fork Carson River near Gardnerville	186	407	43	**70**	38%
Walker River					
West Walker River below Little Walker, near Coleville	155	330	35	**60**	39%
East Walker River near Bridgeport	63	209	7	**8**	13%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**98**	42%

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1961-2010 unless otherwise noted
(3) Forecast by National Weather Service California-Nevada River Forecast Center. 30 yr average (1981-2010)
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, May through September forecast, 30 year average based on years 1981-2010.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1961-2010
.

NORTH COAST REGION

Snowpack Accumulation

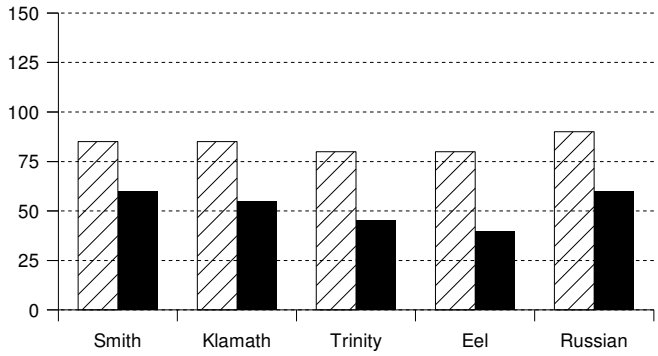
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 10 snow courses indicate an area wide snow water equivalent of less than 1 inch. This is 0 percent of the seasonal April 1 average and 0 percent of the May 1 average. Last year at this time the pack was holding 6.2 inches of water.

Precipitation

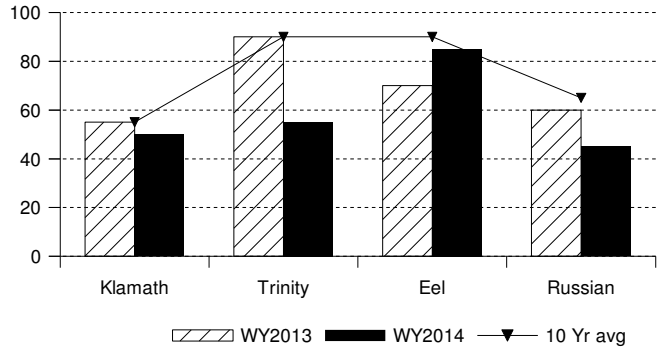
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 50 percent of normal. Precipitation last month was about 50 percent of the monthly average. Seasonal precipitation at this time last year stood at 85 percent of normal.

Reservoir Storage

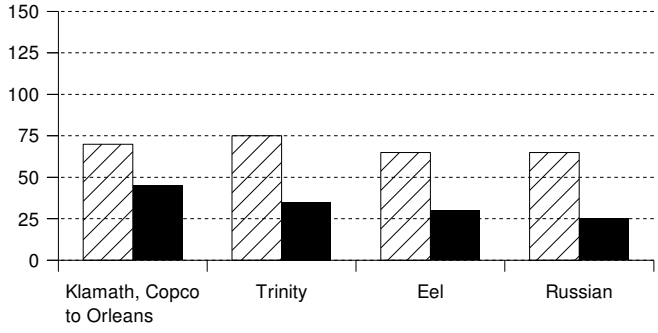
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 1.6 million acre-feet which is 65 percent of average. About 50 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

Runoff

October 1 to date in % of average



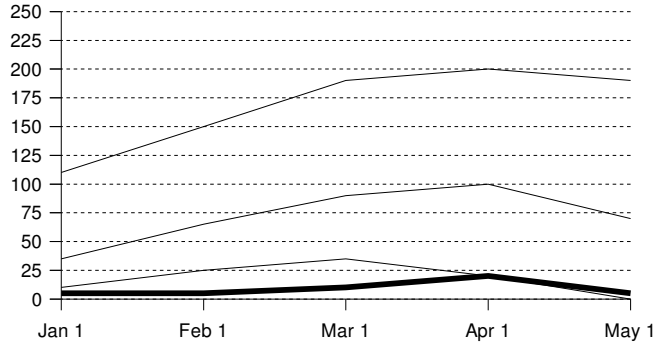
RUNOFF -Seasonal runoff of streams draining the area totaled 3.7 million acre-feet which is 35 percent of the average for this period. Last year, runoff for the same period was 70 percent of average.

SACRAMENTO RIVER REGION

SNOWPACK- First of the month measurements made at 69 snow courses indicate an area wide snow water equivalent of 3.0 inches. This is 5 percent of the seasonal April 1 average and 10 percent of the May 1 average. Last year at this time the pack was holding 3.9 inches of water.

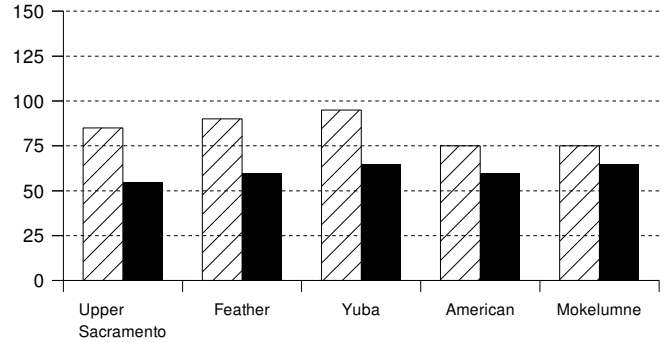
Snowpack Accumulation

Water Content in % of April 1 Average



Precipitation

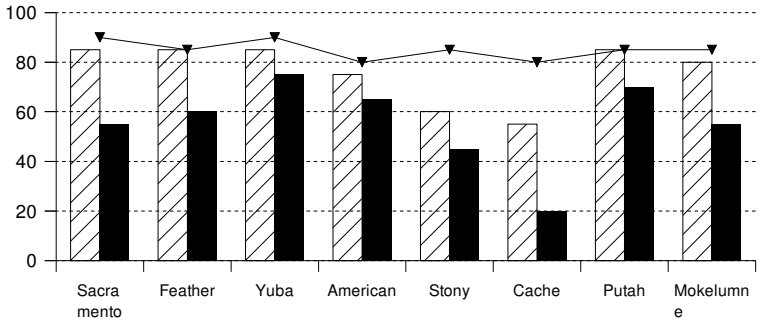
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 60 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 85 percent of normal.

Reservoir Storage

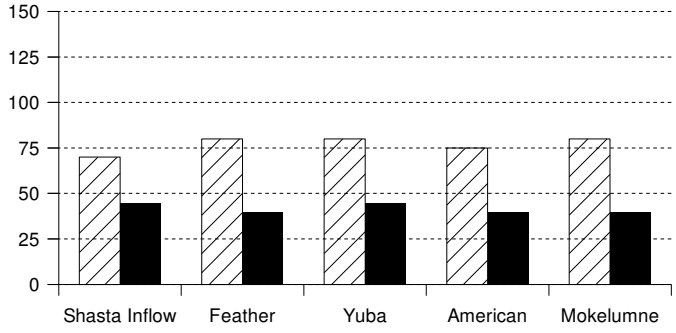
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 9.6 million acre-feet which is 75 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

Runoff

October 1 to date in % of average

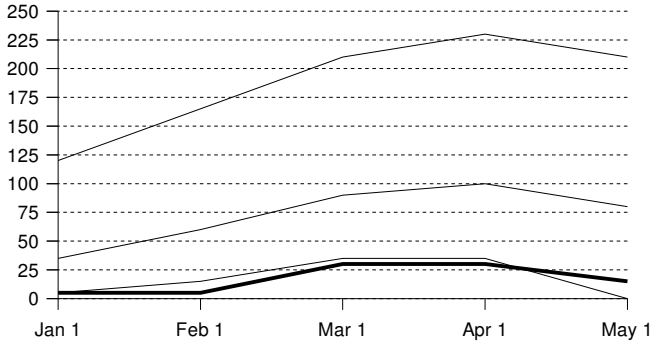


RUNOFF - Seasonal runoff of streams draining the area totaled 5.5 million acre-feet which is 40 percent of average for this period. Last year, runoff for the same period was 70 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 4.0 assuming median meteorological conditions for the remainder of the year. This classifies the year as "critical" in the Sacramento Valley according to the State Water Resources Control Board.

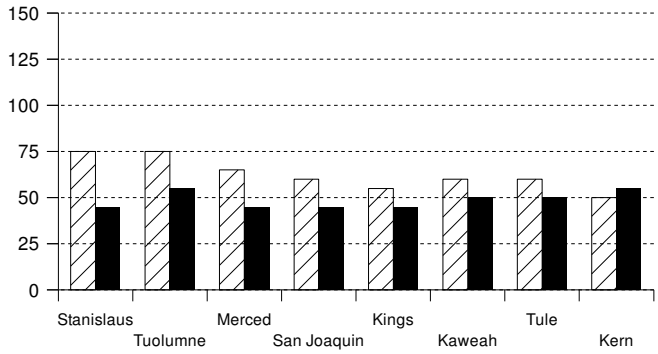
Snowpack Accumulation

Water Content in % of April 1 Average



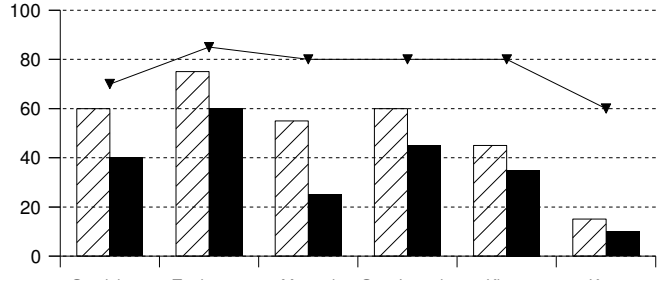
Precipitation

October 1 to date in % of Average



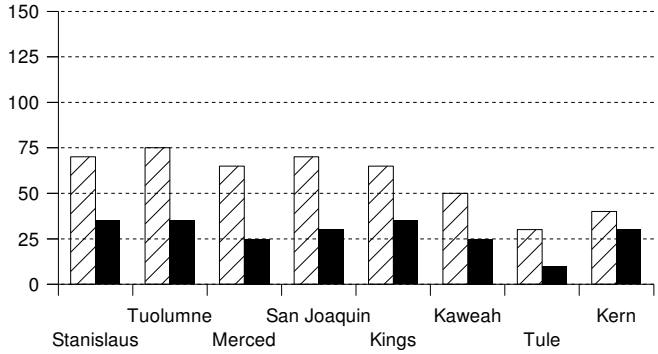
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK- First of the month measurements made at 56 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 7.1 inches. This is 20 percent of the seasonal (April 1) average and 20 percent of the May 1 average. Last year at this time the pack was holding 8.2 inches of water. At the same time 29 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 2.9 inches which is 10 percent of the average for April 1 and 15 percent of May 1. Last year at this time the basin was holding 1.9 inches of water.

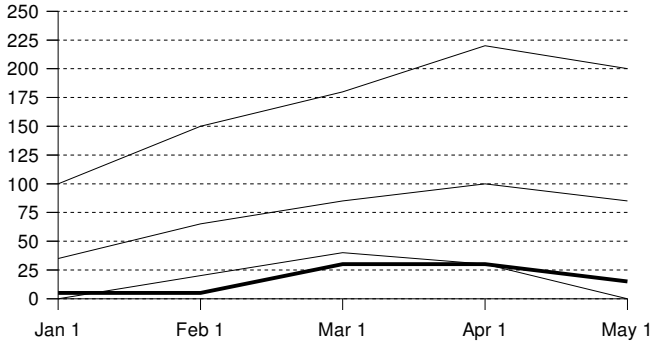
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 50 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 70 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 50 percent of normal. Precipitation last month was about 100 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 5.3 million acre-feet which is 70 percent of average. About 45 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 552 thousand acre-feet which is 50 percent of average and about 25 percent of available capacity. Storage in these reservoirs at this time last year was 70 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 1.2 million acre-feet which is 35 percent of average for this period. Last year, runoff for the same period was 70 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 388 thousand acre-feet which is 30 percent of average for this period. Last year runoff for this same period was 50 percent of average.
The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 1.1 assuming 75 percent of median meteorological conditions. This classifies the year as "critical" in the San Joaquin River Region according to the State Water Resources Control Board.

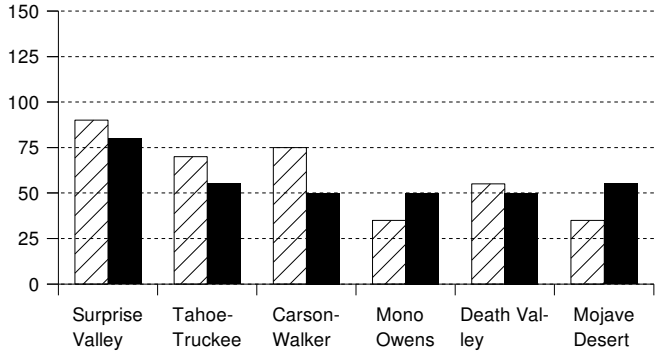
Snowpack Accumulation

Water Content in % of April 1 Average



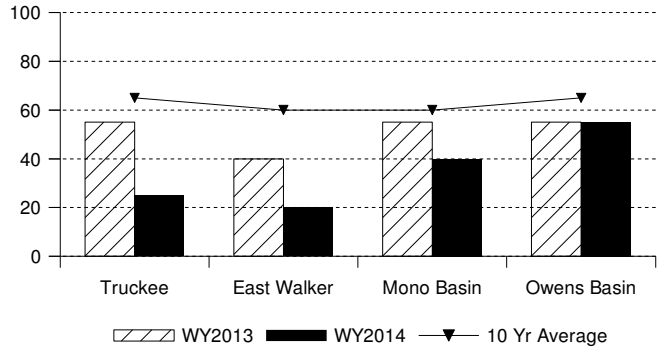
Precipitation

October 1 to date in % of Average



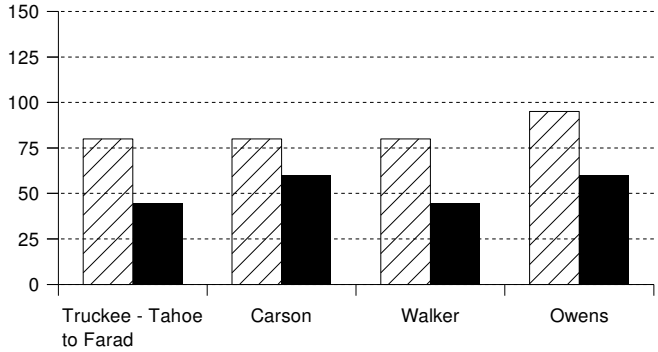
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 5 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 1.9 inches. This is 10 percent of the seasonal (April 1) average and 10 percent of the May 1 average. Last year at this time the pack was holding 2 inches of water. At the same time 2 **South Lahontan** snow courses indicated a basin-wide snow water equivalent of 2.5 inches which is less than 15 percent of the seasonal (April 1) average and less than 20 percent of the May 1 average. Last year at this time the basin was holding 0.3 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan Region** was 65 percent of normal. Precipitation last month was about 60 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal. Seasonal precipitation on the **South Lahontan** was 50 percent of normal. Precipitation last month was 55 percent of the monthly average. Seasonal precipitation at this time last year stood at 40 percent of normal.

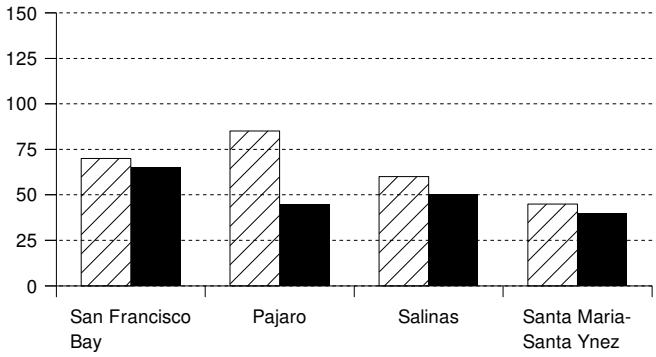
RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 288 thousand acre-feet which is 50 percent of average. About 25 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average. Lake Tahoe was 1.4 feet above its natural rim on May 1. First of the month storage in 8 **South Lahontan** reservoirs was 248 thousand acre-feet which is 95 percent of average and about 60 percent of available capacity. Storage in these reservoirs at this time last year was 95 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 210 thousand acre-feet which is 50 percent of average for this period. Last year, runoff for the same period was 75 percent of average. Seasonal runoff of the Owens River in the **South Lahontan** totaled 45 thousand acre-feet which is 60 percent of average for this period. Last year runoff for this same period was 95 percent of average.

SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

Precipitation

October 1 to date in % of Average

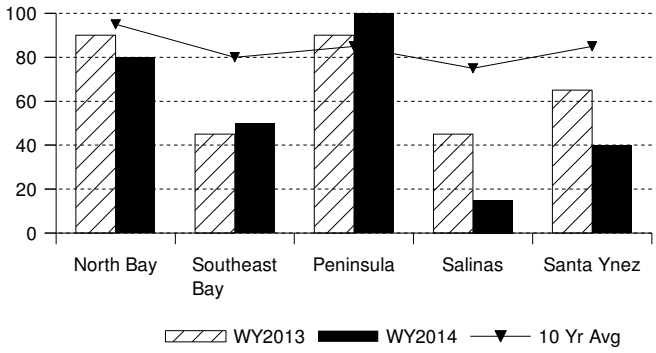


PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 60 percent of normal. Precipitation last month was about 110 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 45 percent of normal. Precipitation last month was about 55 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

Reservoir Storage

Contents of major reservoirs in % of capacity

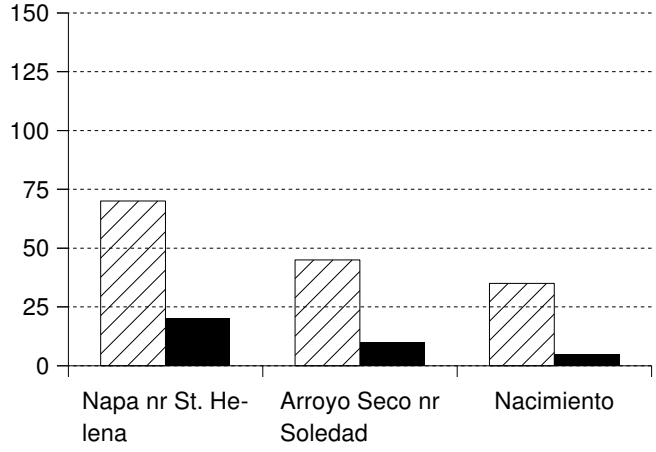


RESERVOIR STORAGE- First of the month storage in 17 **San Francisco Bay Region** reservoirs was 463 thousand acre-feet which is 85 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 85 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 185 thousand acre-feet which is 25 percent of average and about 20 percent of available capacity. Storage in these reservoirs at this time last year was 70 percent of average.

Runoff

October 1 to date in % of average



RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 14 thousand acre-feet which is 20 percent of average for this period. Last year, runoff for the same period was 70 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 22 thousand acre-feet which is 5 percent of average for this period. Last year runoff for this same period was 40 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through April (seasonal) precipitation on the **South Coast Region** was 40 percent of normal. April precipitation was less than 45 percent of the monthly average. Seasonal precipitation at this time last year was 45 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 40 percent of normal. Precipitation during April was 20 percent of average. Seasonal precipitation at this time last year stood at 65 percent of average.

RESERVOIR STORAGE - May 1 storage in 29 major **South Coast Region** reservoirs was 1.1 million acre-feet or 75 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 80 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 8 thousand acre-feet which is 15 percent of average. Seasonal runoff from these streams last year was 25 percent of average.

COLORADO RIVER

The April July inflow to Lake Powell is forecast to be 7.55 million acre-feet, which is 105 percent of average. The May 1 snowpack in the Colorado River basin above Lake Powell was 105 percent of average, lowest in the San Juan at 45 percent and highest in the Escalante at 245 percent. On May 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 23.3 million acre-feet or about 60 percent of average. About 45 percent of available capacity was in use. Last year at this time, these reservoirs were storing 70 percent of average.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF April 2013 1,000 AF	2014 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,877	3,040	1,877	65%	53%
San Luis Reservoir (SWP)	1,062	961	431	387	40%	36%
Lake Del Valle	77	39	39	41	105%	53%
Lake Silverwood	78	69	73	72	105%	93%
Pyramid Lake	180	163	167	165	101%	92%
Castaic Lake	325	294	284	250	85%	77%
Perris Lake	131	111	72	63	57%	48%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	2,020	2,142	1,281	63%	52%
Lake Shasta	4,552	3,924	3,788	2,409	61%	53%
Whiskeytown Lake	241	233	235	238	102%	99%
Folsom Lake	977	729	682	547	75%	56%
New Melones Reservoir	2,400	1,505	1,457	917	61%	38%
Millerton Lake	520	366	330	228	62%	44%
San Luis Reservoir (CVP)	971	860	679	569	66%	59%
COLORADO RIVER PROJECT						
Lake Mead	26,159	19,331	12,921	11,254	58%	43%
Lake Powell	24,322	17,499	11,422	9,732	56%	40%
Lake Mohave	1,810	1,670	1,723	1,702	102%	94%
Lake Havasu	648	586	587	582	99%	90%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	210	183	184	163	89%	78%
Camanche Reservoir	417	268	331	174	65%	42%
East Bay (4 res.)	159	135	121	125	93%	79%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	175	281	250	143%	69%
Cherry Lake	268	163	251	241	148%	90%
Lake Eleanor	29	16	25	27	166%	93%
South Bay/Peninsula (4 res.)	227	178	127	136	77%	60%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	125	101	107	85%	58%
Grant Lake	48	26	32	23	87%	48%
Other Aqueduct Storage (6 res.)	95	75	58	61	81%	64%

TELEMETERED SNOW WATER EQUIVALENTS

May 1, 2014

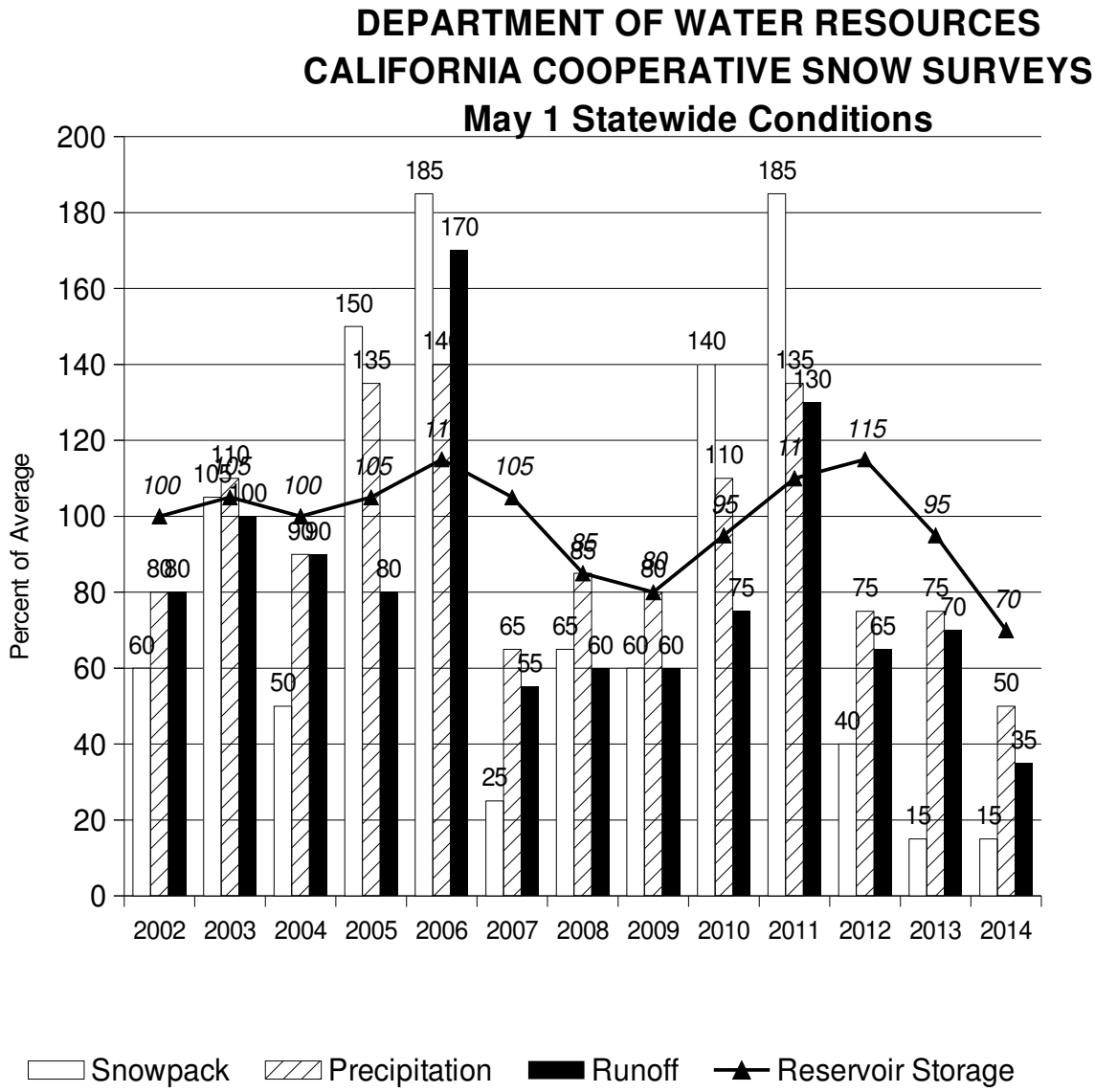
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT May 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	0.0	0.0	0.0	0.0
Red Rock Mountain	6700’	39.6	—	—	—	—
Bonanza King	6450’	40.5	0.0	0.0	0.0	0.0
Shimmy Lake	6400’	40.3	0.0	0.0	0.0	0.0
Middle Boulder 3	6200’	28.3	—	—	—	—
Highland Lakes	6030’	29.9	0.0	0.0	0.0	0.0
Scott Mountain	5900’	16.0	—	—	—	—
Mumbo Basin	5650’	22.4	0.0	0.0	0.0	0.0
Big Flat	5100’	15.8	—	—	—	—
Crowder Flat	5100’	—	0.0	—	0.0	0.0
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	0.0	0.0	0.2	0.0
Blacks Mountain	7050’	12.7	0.0	0.0	0.2	0.0
Sand Flat	6750’	42.4	0.0	0.0	0.0	0.0
Medicine Lake	6700’	32.6	0.0	0.0	0.0	0.0
Adin Mountain	6200’	13.6	0.0	0.0	0.0	0.0
Snow Mountain	5950’	27.0	0.0	0.0	0.0	0.0
Slate Creek	5700’	29.0	0.0	0.0	0.0	0.0
Stouts Meadow	5400’	36.0	—	—	—	—
FEATHER RIVER						
Lower Lassen Peak	8250’	—	—	—	—	—
Kettle Rock	7300’	25.5	0.0	0.0	0.0	0.0
Grizzly Ridge	6900’	29.7	0.0	0.0	0.6	0.0
Pilot Peak	6800’	52.6	0.0	0.0	0.3	0.0
Gold Lake	6750’	36.5	13.9	38.1	14.6	14.5
Humbug	6500’	28.0	0.0	0.0	0.0	0.0
Harkness Flat	6200’	28.5	0.0	0.0	0.0	0.0
Rattlesnake	6100’	14.0	0.0	0.0	0.0	0.0
Bucks Lake	5750’	44.7	0.0	0.0	0.0	0.0
Four Trees	5150’	20.0	0.0	0.0	0.0	0.0
EEL RIVER						
Hull Mountain	6461’	—	—	—	—	—
Noel Spring	5100’	—	0.0	—	0.0	0.0
YUBA & AMERICAN RIVERS						
Schneiders	8750’	34.5	21.5	62.4	22.0	20.5
Lake Lois	8600’	39.5	37.5	94.9	37.6	35.1
Carson Pass	8353’	—	11.1	—	11.7	11.4
Caples Lake	8000’	30.9	11.8	38.3	12.1	13.2
Alpha	7600’	35.9	1.6	4.5	2.3	2.0
Forni Ridge	7600’	37.0	1.4	3.7	2.4	1.9
Meadow Lake	7200’	55.5	—	—	—	—
Silver Lake	7100’	22.7	0.0	0.0	0.0	0.0
Central Sierra Snow Lab	6900’	33.6	0.0	0.0	0.3	0.0
Van Vleck	6700’	35.9	0.1	0.2	0.7	0.0
Huysink	6600’	42.6	1.2	2.8	1.8	1.0
Robinson Cow Camp	6480’	—	0.0	—	0.0	0.0
Robbs Saddle	5900’	21.4	0.0	0.0	0.3	0.0
Greek Store	5600’	21.0	0.0	0.0	0.0	1.1
Blue Canyon	5280’	9.0	0.0	0.0	0.0	0.0
Robbs Powerhouse	5150’	5.2	0.0	0.0	0.0	0.0
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	15.1	40.6	16.1	15.0
Highland Meadow	8700’	47.9	16.1	33.6	16.4	15.0
Gianelli Meadow	8400’	55.5	15.5	27.9	15.8	15.7
Lower Relief Valley	8100’	41.2	5.5	13.4	6.0	6.0
Blue Lakes	8000’	33.1	12.5	37.8	12.6	12.5
Stanislaus Meadow	7750’	47.5	9.8	20.7	10.4	10.6
Bloods Creek	7200’	35.5	6.1	17.2	7.2	7.9
Black Springs	6500’	32.0	0.6	1.9	1.3	0.8
TUOLUMNE & MERCED RIVERS						
Dana Meadows	9800’	27.7	8.3	30.0	8.5	8.7
Slide Canyon	9200’	41.1	—	—	—	—
Tuolumne Meadows	8600’	22.6	—	—	—	—
Horse Meadow	8400’	48.6	16.6	34.1	18.2	17.1
Ostrander Lake	8200’	34.8	1.3	3.8	1.9	1.6
Lake Tenaya	8150’	33.1	—	—	—	—
White Wolf	7900’	—	0.0	—	0.1	0.0
Paradise Meadow	7650’	41.3	10.2	24.7	11.1	11.0
Gin Flat	7050’	34.2	0.2	0.5	0.4	0.0
Lower Kibbie Ridge	6700’	27.4	0.0	0.0	0.0	0.0

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	12.1	40.1	12.4	11.2
Agnew Pass	9450’	32.3	3.2	10.0	3.7	4.3
Kaiser Point	9200’	37.8	0.2	0.4	1.0	0.0
Green Mountain	7900’	30.8	0.1	0.4	0.2	0.0
Devil’s Postpile	7569’	—	2.2	—	2.7	0.0
Tamarack Summit	7550’	30.5	0.1	0.3	0.3	0.0
Chilkoot Meadow	7150’	38.0	—	—	—	—
Huntington Lake	7000’	20.1	0.0	0.0	0.0	0.0
Graveyard Meadow	6900’	18.8	0.3	1.6	0.5	0.0
Poison Ridge	6900’	28.9	0.0	0.0	0.0	0.0
KINGS RIVER						
Bishop Pass	11200’	34.0	—	—	—	—
Charlotte Lake	10400’	27.5	11.3	41.2	12.3	12.1
State Lakes	10300’	29.0	—	—	—	—
Blackcap Basin	10300’	34.3	19.8	57.6	20.0	19.1
Mitchell Meadow	9900’	32.9	12.4	37.7	13.0	11.9
Upper Burnt Corral	9700’	34.6	9.1	26.4	10.0	9.3
West Woodchuck Meadow	9100’	32.8	0.4	1.2	0.8	0.0
Big Meadows	7600’	25.9	0.0	0.0	0.4	0.0
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	—	—	—	—
Quaking Aspen	7200’	21.0	0.0	0.0	0.0	0.0
Giant Forest	6650’	10.0	0.0	0.0	0.1	0.0
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	7.3	26.4	7.5	7.5
Crabtree Meadow	10700’	19.8	—	—	—	—
Chagoopa Plateau	10300’	21.8	0.0	0.0	0.1	1.8
Pascoes	9150’	24.9	2.8	11.2	3.5	3.2
Wet Meadows	8950’	30.3	—	—	—	—
Tunnel Guard Station	8900’	15.6	0.0	0.0	0.0	0.0
Casa Vieja Meadows	8300’	20.9	0.0	0.0	0.0	0.0
Beach Meadows	7650’	11.0	0.0	0.0	0.0	0.0
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	15.0	51.4	15.9	15.0
TRUCKEE RIVER						
Big Meadows	8700’	25.7	0.0	0.0	0.0	0.0
Independence Lake	8450’	41.4	20.1	48.6	20.5	18.0
Squaw Valley	8200’	46.5	10.9	23.4	11.1	9.8
Independence Camp	7000’	21.8	0.0	0.0	0.0	0.0
Independence Creek	6500’	12.7	0.0	0.0	0.0	0.0
Truckee 2	6400’	14.3	0.0	0.0	0.0	0.0
LAKE TAHOE BASIN						
Mount Rose Ski Area	8900’	38.5	8.0	20.8	8.8	9.1
Heavenly Valley	8800’	28.1	4.8	17.1	5.2	5.7
Hagans Meadow	8000’	16.5	0.0	0.0	0.0	0.0
Marlette Lake	8000’	21.1	3.1	14.7	3.6	4.0
Echo Peak 5	7800’	39.5	7.1	18.0	8.2	8.2
Rubicon Peak 2	7500’	29.1	2.3	7.9	2.6	2.4
Tahoe City Cross	6750’	16.0	0.0	0.0	0.0	0.0
Ward Creek 3	6750’	39.4	0.0	0.0	0.1	0.0
Fallen Leaf Lake	6250’	7.0	0.0	0.0	0.0	0.0
CARSON RIVER						
Ebbetts Pass	8700’	38.8	8.6	22.2	9.5	9.6
Horse Meadow	8557’	—	1.3	—	2.1	3.4
Monitor Pass	8350’	—	0.0	—	0.0	0.0
Burnside Lake	8129’	—	1.9	—	3.1	3.9
Forestdale Creek	8017’	—	13.4	—	13.8	13.4
Poison Flat	7900’	16.2	—	—	—	—
Spratt Creek	6150’	4.5	0.0	0.0	0.0	0.0
WALKER RIVER						
Leavitt Lake	9600’	—	24.7	—	24.7	23.6
Summit Meadow	9313’	—	0.0	—	0.0	0.9
Virginia Lakes	9300’	20.3	5.2	25.6	5.4	5.4
Lobdell Lake	9200’	17.3	0.0	0.0	0.0	0.0
Sonora Pass Bridge	8750’	26.0	7.1	27.3	8.0	8.1
Leavitt Meadows	7200’	8.0	0.0	0.0	0.0	0.0
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	8.1	25.5	8.3	8.0
Sawmill	10200’	19.4	2.0	10.3	2.3	3.6
Cottonwood Lakes	10150’	11.6	0.0	0.0	0.0	0.0
Big Pine Creek	9800’	17.9	0.0	0.0	0.0	0.0
Rock Creek Lakes	9700’	14.0	—	—	—	—
South Lake	9600’	16.0	0.0	0.0	0.0	0.0
Mammoth Pass	9300’	42.4	13.0	30.7	13.4	11.8

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



SNOWLINES

Next year's Western Snow Conference will be held at Grass Valley, CA April 20-23, 2015. Mark your calendar for this event as it won't be back in our region for another four years. For further information contact Frank Gehrke at 916-574-2635 or gridley@water.ca.gov Information is available on the web at http://www.westernsnowconference.org.

On this month's cover- Depicted on this month's cover is the Airborne Snow Observatory Twin Otter. The ASO project is a joint effort by NASA/JPL and the Snow Surveys Program to use airborne LIDAR and imager to produce very accurate maps of snow water equivalent.